

Devin Boyer

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Software Development Experience

Meteorological Software Engineer, The Weather Company (WSI, Inc)

June 2014-present, Andover, MA

- Implemented migration and upgrade of the group's codebase and infrastructure into AWS, including setup of a modern CI/CD workflow.
- Create and maintain production-level code as part of an Agile development team, ingesting and processing various meteorological data sets and formats and displaying them via an ASP.NET MVC web platform.
- Immediately took ownership of the WSI Energy model graphics output, quickly completing an overhaul of the underlying GrADS code and continuing to provide enhancements.

Development Intern - Weather Underground

June-August 2013, San Francisco, CA

- Developed much of the user interaction code for a responsive "live blog" web application using jQuery and native Javascript, in addition to SASS, CSS3, and the Zurb Foundation framework

Meteorological Web Design Intern - WSI, Inc

May-July 2012, Andover, MA

- Developed a new interactive web viewer for the company's in-house weather model as a member of the Numeric Weather Prediction team. The viewer is operational within the company.
- Designed and implemented the web app using HTML5, AJAX, OpenLayers frontend with a PHP and Python backend

Head of Information Technology - Penn State Campus Weather Service

January 2012-December 2013

- Implemented new features and recommendations for organization's website, and also fixed existing bugs
- Re-engineered site security model including authentication and PHP database access to prevent attacks

Technical Skills

Proficient languages: Perl, Python, Bash, JavaScript, C#, PHP, HTML/CSS

Working Knowledge languages: C/C++, Java, Go, PowerShell

Platforms/Toolsets: Linux, Mac OS X, Windows, Git, AWS, Heroku, SaltStack, Vagrant, Packer, MySQL, PostgreSQL

Education

Bachelor of Science, Meteorology (2014) - The Pennsylvania State University, University Park, PA
General option with a focus in Computer Science

Leadership and Recognition

- **2013 Earth and Mineral Sciences Academy for Global Experiences Laureate**, demonstrating a balance of strengths across the areas of global awareness, professional and civic service, and leadership
- **2012-13 President of the College of Earth and Mineral Sciences Student Council**, leading a 60+ member student organization and overseeing planning of several large annual events (>200 attendees each)
- **2013-14 Vice President**, Penn State Branch of the American Meteorological Society/Penn State Chapter of the National Weather Association
- **First Place winner, Undergraduate Oral Presentations**, 2013 National Weather Association Conference
- **Charter officer and webmaster** of the Penn State Storm Chase Team
- **Awarded Eagle Scout** by the Boy Scouts of America, 2008